Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

IMAGERY ANALYSIS [redacted] STAFF

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY

STATUS OF NORTH VIETNAMESE RAILROADS

25 [redacted]

DECLASS REVIEW by NIMA/DOD

REPORT NO. 28
CIA/PIR 75091

DATE FEB. 1967

GROUP 1
Excluded from automatic downgrading and declassification

SECRET

[redacted] 25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

PREFACE

This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography (received by the CIA Imagery Analysis Staff) during the period indicated on the cover. This report is intended to provide a comprehensive view of the railroad system and does not necessarily reflect the most recent status changes as reported by pilots' reports or field photo intelligence cables.

The railroad system has been divided into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure I). Annotated maps and photos are used to show the status of each line.

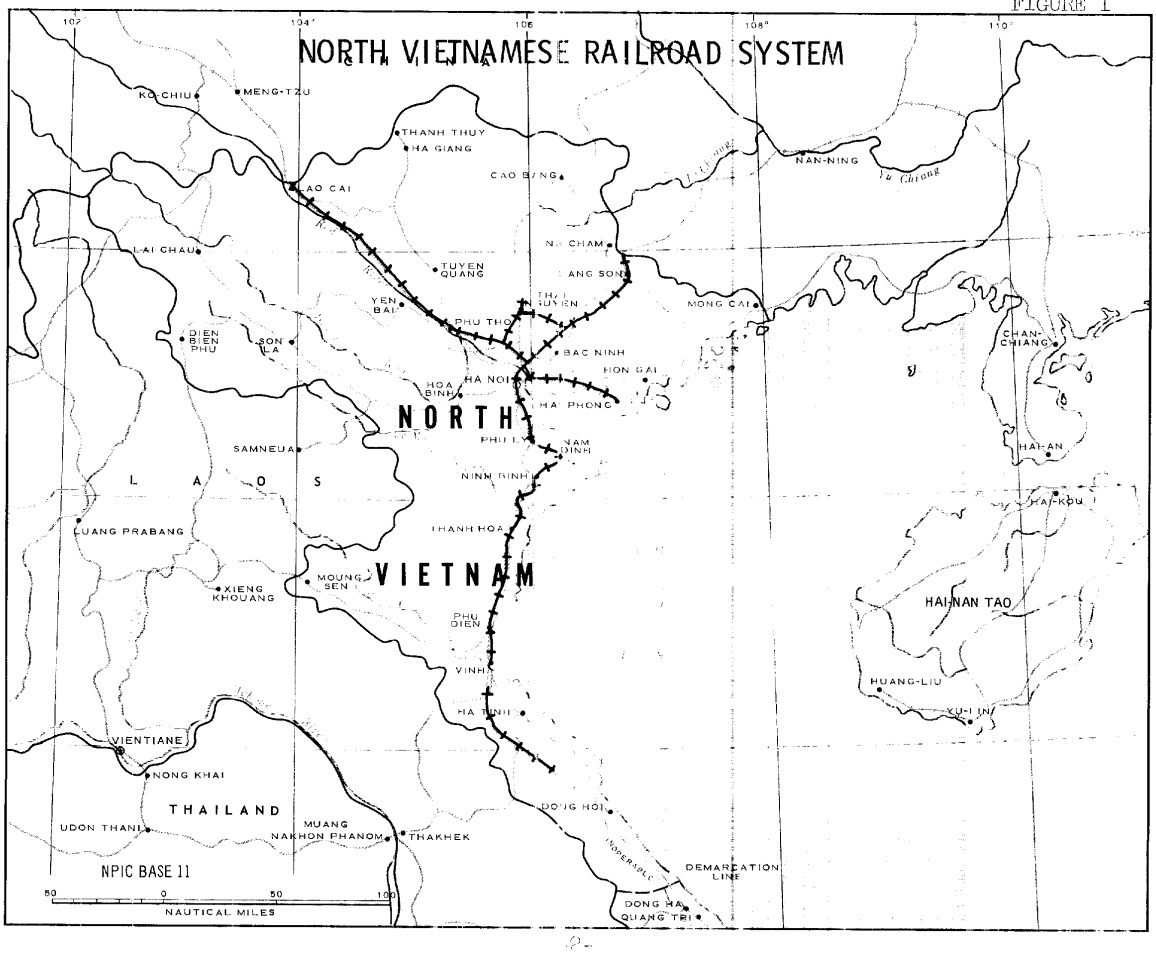
25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

PIR 75091
FIGURE 1



SECRET
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

DDI IMAGERY ANALYSIS STAFF

PIR 75091

SUMMARY

No bridge interdictions were noted on those portions of the Hanoi/Lao Cai, Hanoi/Dong Hoi, and Thai Nguyen Rail Lines covered by interpretable photography. A complete listing, including the name and location of all the bridges (including by-pass bridges) annotated on the enclosed railroad status maps, is included for each rail line in this report.

CONTENTS

Hanoi/Lao Cai Rail Line	Page 4
Hanoi/Dong Dang Rail Line	12
Hanoi/Dong Hoi Rail Line	15
Hanoi/Haiphong Rail Line	25
Thai Nguyen Rail Line	27

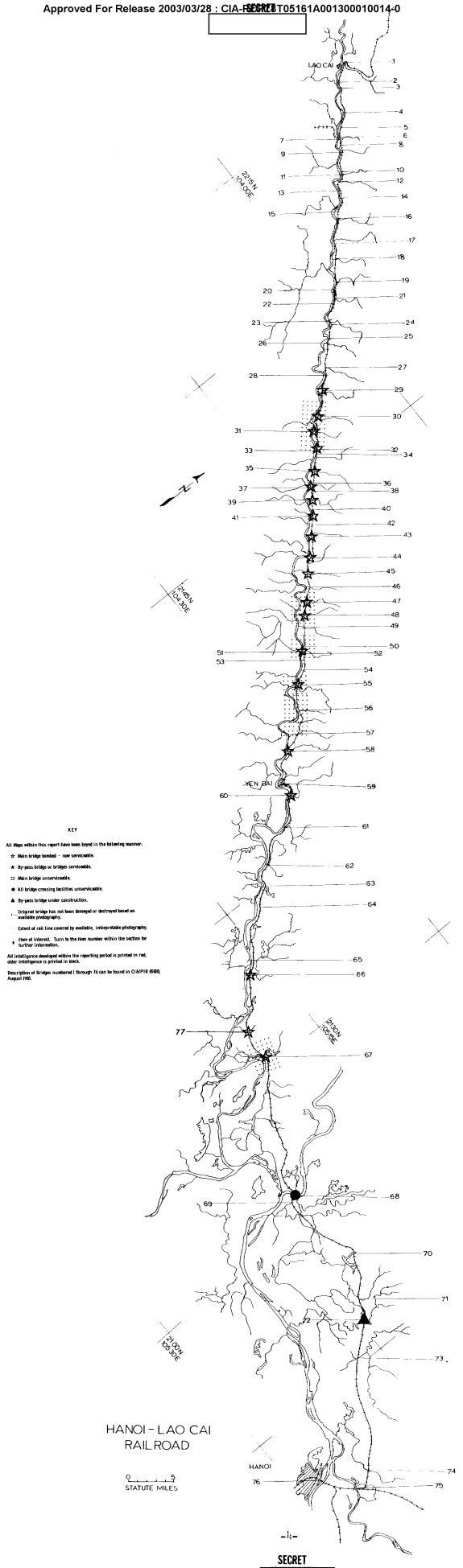
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

PIR 75091
FIGURE 2


LAO CAI
YEN BAI
HANOI
22°30'N 103°30'E
21°30'N 105°30'E
21°00'N 105°30'E
KEY
All Maps within this report have been keyed in the following manner:
☆ Main bridge bombed - now serviceable.
★ By-pass bridge or bridges serviceable.
□ Main bridge unserviceable.
● All bridge crossing facilities unserviceable.
▲ By-pass bridge under construction.
Original rail bridge has not been damaged or destroyed based on available photography.
Extent of rail line covered by available, interpretable photography.
Item of interest. Turn to the item number within the section for further information.
All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.
Description of Bridges numbered 1 through 76 can be found in CIA/PIR 1500, August 1965.
HANOI - LAO CAI
RAILROAD
0 5
STATUTE MILES

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

DDI IMAGERY ANALYSIS STAFF

PIR 75091

25X1

LAO CAI RAIL LINE BRIDGE LISTING

Bridge	Coordinates	Bridge Name
1	22 30N - 103 58E	Ho Kou RR A Hwy Br ov Nam Chi R Lao Kay
2	22 29N - 103 59E	Pho Moi RR Bridge N
3	22 28N - 104 00E	Pho Moi RR Bridge S
4	22 27N - 104 02E	Lang Yang RR Br N 1 ov Ngoi Xum
5	22 26N - 104 03E	Lang Yang RR Br ov Strm
6	22 25N - 104 03E	Lang Yang RR Br ov Red River
7	22 25N - 104 03E	Lang Yang RR Bridge
8	22 25N - 104 04E	Lang Yang RR Br S 1 ov Ngoi Muc
9	22 25N - 104 05E	Lang Yang RR Br South 2 ov Strm
10	22 23N - 104 06E	Thi Nien RR Bridge
11	22 23N - 104 07E	Thai Nien RR Br N ov Unk Barrier
12	22 23N - 104 07E	Thai Nien RR Br ov Ngoi Do
13	22 22N - 104 08E	Nam Heu RR Bridge
14	22 22N - 104 08E	Pho Lu RR Br N 3 ov Ngoi An
15	22 21N - 104 09E	Pho Lu RR Bridge N
16	22 20N - 104 10E	Pho Lu RR Br N 2 ov Ngoi Mi
17	22 18N - 104 12E	Pho Lu RR Bridge

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0
SECRET

25X1

25X1

Bridge	Coordinates	Bridge Name
18	22 18N - 104 13E	Pho Lu RR Br S ov Ngoi Tchi
19	22 16N - 104 15E	Lang Nho RR Br S 1 ov Ngoi Oiou
20	22 16N - 104 16E	Lang Nho RR Br S 2 ov Strm
21	22 15N - 104 16E	Lang Con RR Br NW ov Ngoi Nioi
22	22 15N - 104 17E	Lang Con RR Br ov Strm
23	22 14N - 104 18E	Trai Van RR Br ov Ngoi Van
24	22 13N - 104 19E	Trai Van RR Br SE 2 ov Unk Barrier
25	22 13N - 104 19E	Trai Van RR Bridge
26	22 12N - 104 20E	Bao Ha RR Br. NW ov Ngoi Khouei
27	22 11N - 104 21E	Bao Ha RR Br ov Ngoi Thap
28	22 10N - 104 22E	Tran An Pho RR Bridge
29	22 09N - 104 23E	Lang Bun RR Br ov Ngoi Bon
30	22 07N - 104 25E	Lang Thip RR Br ov Ngoi Thip
31	22 06N - 104 26E	Lang Bo RR Br ov Ngoi Ly
32	22 05N - 104 27E	Lang Bo RR Br ov Ngoi Bo
33	22 05N - 104 27E	Lang Bo RR Br ov Unk Barrier

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0
SECRET

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

PIR 75091 25X1

DDI IMAGERY ANALYSIS STAFF

25X1

Bridge	Coordinates	Bridge Name
34	22 05N - 104 27E	Lang Kay RR Br No 2 ov Unk Barrier
35	22 03N - 104 29E	Lang Kay RR Br ov Ngoi Chuc
36	22 03N - 104 29E	Lang Kay RR Bridge
37	22 02N - 104 30E	Lang Kay RR Br S ov Nam Linh
38	22 02N - 104 31E	Lang Lau RR Bridge
39	22 02N - 104 31E	Lang Khay RR Br ov Ngoi Kay
40	22 01N - 104 32E	Khe Se RR Br ov Unk Barrier
41	22 01N - 104 33E	Khe Se RR Br South ov Strm
42	22 00N - 104 33E	Khe Se RR Br SSE ov Unk Barrier
43	21 59N - 104 35E	Trai Hut RR Br NW ov Ngoi Cho
44	21 58N - 104 36E	Trai Hut RR Br ov Nam Lam
45	21 56N - 104 37E	Som Dong Dep RR Br ov Nam Muoi
46	21 56N - 104 38E	Dong Khai RR Br ov Nam Khoi
47	21 55N - 104 40E	Lang Quach Ngoai RR Br N ov Ngoi Vai
48	21 53N - 104 40E	Lang Quach Ngoai RR Br ov Ngoi Quach
49	21 53N - 104 41E	Lang Quach Ngoai RR Br S ov Nam Tien

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

PIR 75091

DDI IMAGERY ANALYSIS STAFF

Bridge	Coordinates	Bridge Name
50	21 52N - 104 42E	Pho Chang RR Br No ov Unk Barrier
51	21 52N - 104 43E	Pho Chang RR Br ov Ngoi Trang
52	21 52N - 104 43E	Pho Chang RR Bridge
53	21 51N - 104 43E	Pho Chang RR Br S ov Ngoi Nhoi
54	21 50N - 104 44E	Pho Chang RR Br SSE ov Strm
55	21 49N - 104 46E	Pho Hop RR Br ov Ngoi Hop
56	21 48N - 104 48E	Cay Giau RR Br N 2 ov Strm
57	21 46N - 104 50E	Dai Ban RR Bridge
58	21 44N - 104 51E	Go Dong RR Br ov Strm
59	21 42N - 104 53E	Ven Bai RR Br ov Ngoi Cuong
60	21 42N - 104 54E	Tuan Quan RR Br ov Strm
61	21 40N - 104 57E	Binh Luc RR Br S ov Strm
62	21 36N - 104 58E	Lenh Khanh RR Br S ov Strm
63	21 34N - 104 59E	Lenh Khanh RR Br SE ov Strm
64	21 33N - 105 02E	Am Thuong RR Br SW ov Strm
65	21 29N - 105 05E	Vinh Chan RR Bridge
66	21 28N - 105 06E	Tho Khoi RR Br ov Strm

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

PIR 75091 25X1

DDI IMAGERY ANALYSIS STAFF

25X1

Bridge	Coordinates	Bridge Name
67	21 24N - 105 15E	Phu Tho RR Br East ov Strm
68	21 18N - 105 27E	Viet Tri RR A Hwy Br ov Riviere Claire
69	21 17N - 105 28E	Hoa Loan RR Bridge
70	21 19N - 105 36E	Dinh Trung RR Bridge
71	21 17N - 105 40E	Huong Canh RR Br ov Song Cau Ton
72	21 15N - 105 42E	Dai Loi RR Br ov Song Ca Lo
73	21 14N - 105 45E	Phu Tri RR Br ov Canal
74	21 06N - 105 54E	Dong Dou RR Br ov Strm
75	21 05N - 105 55E	Ha Noi RR A Hwy Br ov Canal Des Rapides
76	21 03N - 105 52E	Ha Noi RR A Hwy Br ov Red River
77	21 24N - 105 11E	Cheu Ung RR Br ov Unkn Lake

NOTE: Those bridges with no BE numbers or names have been given the name of the nearest populated geographical location that is annotated on JOG (A) 1501 series maps.

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

ITEM OF INTEREST NO. 1: Hanoi/Lao Cai Rail Line

NAME : Rolling stock

BE : NA

COORDINATES : 21 46N - 104 49E

PHOTO REFERENCE : [redacted] 25X1

MAP REFERENCE : JOG (A) 1501, NF 48-10

Seven passenger cars were observed on a dead end spur at UTM VK809090 (Figure 3). The last 110' (approximately) of the spur is roofed over, possibly to conceal additional rolling stock.

A train consisting of a locomotive and tender, 3 probable box cars, and 12 empty gondola cars (Figure 4) is located approximately 0.1 nm southeast of the dead end spur at UTM VK809087. The train is moving northwestward toward the China border.

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

DDI IMAGERY ANALYSIS STAFF

PIR 7509 L

FIGURE 3

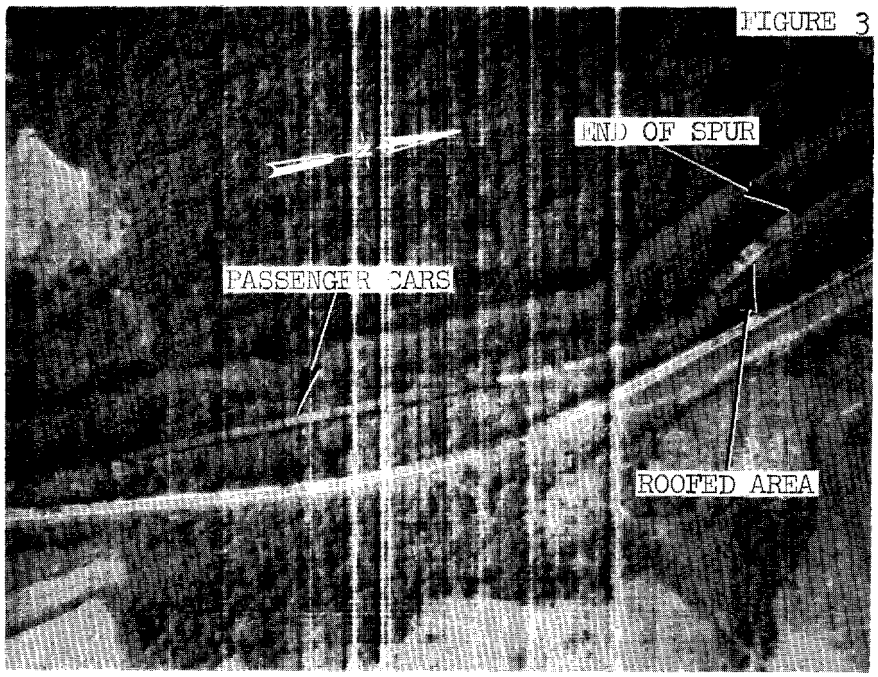
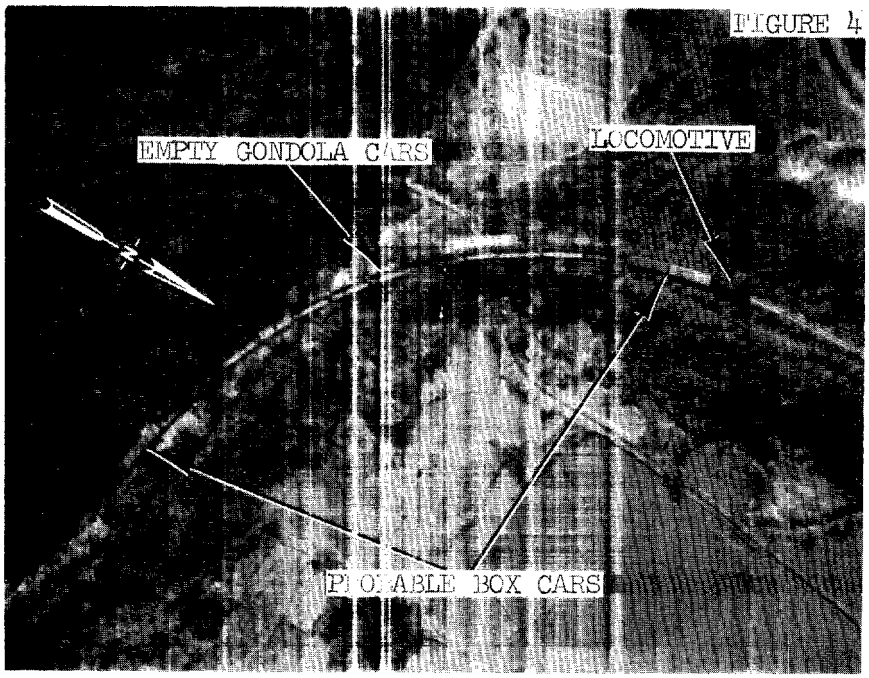


FIGURE 4



Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

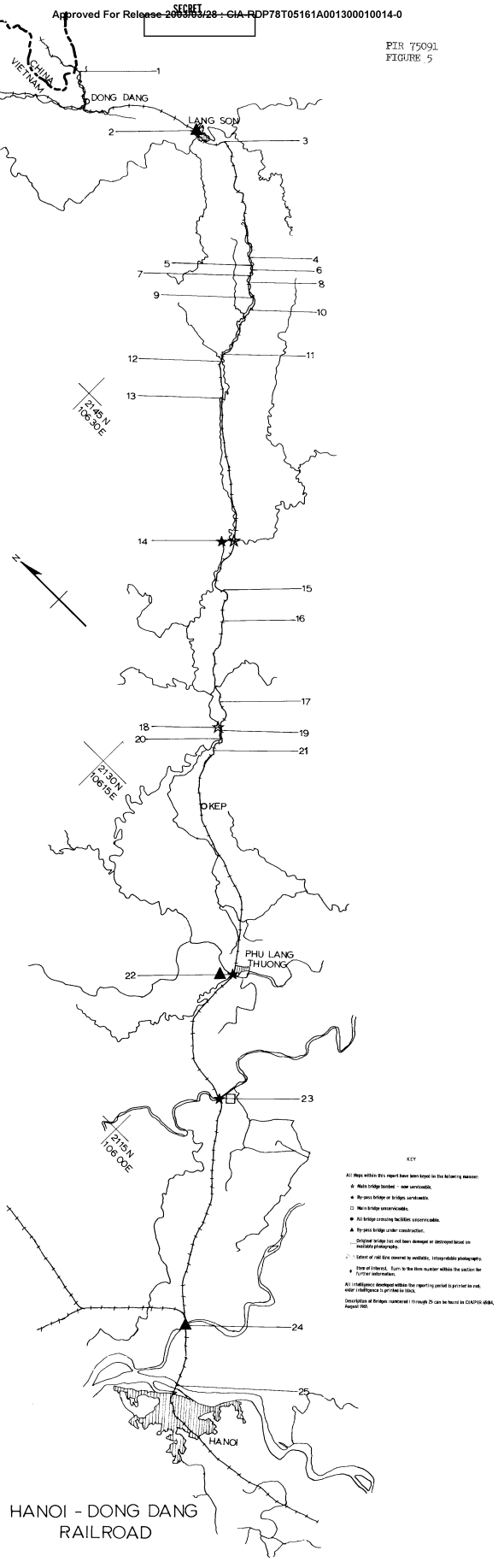
SECRET

25X1

25X1
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

PIR 75091
FIGURE 5



HANOI - DONG DANG
RAILROAD

0 5 10
STATUTE MILES

20.45N
105.45E

RAILROAD
STREAMS
BRIDGE NO. & LOCATION 14 -12-

SECRET

25X1
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

DDI IMAGERY ANALYSIS STAFF

PIR 75091

HANOI/DONG DANG RAIL LINE BRIDGE LISTING

Bridge No.	Coordinates	Bridge Name
1	21 58N - 106 43E	Dong Dang RR Br NE ov strm
2	21 51N - 106 46E	Lang Son RR A Hwy Br ov Song Ky Cung
3	21 50N - 106 46E	Lang Son RR Br S ov Strm
4	21 45N - 106 44E	Lang Giai RR Br N 6 ov Song Thuong
5	21 43N - 106 42E	Lang Giai RR Br N 5 ov Song Thuong
6	21 43N - 106 42E	Lang Giai RR Br N 4 ov Song Thuong
7	21 43N - 106 42E	Lang Giai RR Br N 3 ov Song Thuong
8	21 43N - 106 41E	Lang Giai RR Br N 2 ov Song Thuong
9	21 42N - 106 41E	Lang Giai RR Br N 1 ov Song Thuong
10	21 42N - 106 40E	Lang Giai RR Br S 1 ov Strm
11	21 41N - 106 38E	Lang Nac RR Br ov Song Thuong
12	21 41N - 106 37E	Lang Nac RR Br ov Song Thuong Trib
13	21 39N - 106 36E	Lang Dang RR Br ov Song Thuong
14	21 33N - 106 29E	Cao Nung RR Br ov Song Hoa
14	21 33N - 106 29E	Cao Nung RR Br E ov Song Hoa

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0
SECRET

25X1

Approved For Release 2003/05/28 : CIA-RDP78T05161A001300010014-0

25X1

25X1

Bridge No.	Coordinates	Bridge Name
15	21 32N - 106 28E	Suoi Co RR Br South ov Strm
16	21 31N - 106 26E	Len Quang RR Bridge
17	21 28N - 106 22E	Vu Chua RR Br South ov Song Minh
18	21 26N - 106 22E	Vu Chua RR Br S ov Suoi Ngang
19	21 26N - 106 22E	Vu Chua RR Br SW 1 ov Strm
20	21 26N - 106 21E	Vu Chua RR Br SW 2 ov Song Voi So
21	21 26N - 106 20E	Vu Chua RR Br SW 3 ov Suoi Xe Dieu
22	21 16N - 106 12E	Bac Giang RR A Hwy Br ov Song Thuong
23	21 12N - 106 06E	Dap Cau RR A Hwy Br ov Song Cau
23	21 12N - 106 06E	Dap Cau RR Br NW ov Song Cau
24	21 05N - 105 55E	Ha Noi RR A Hwy Br ov Canal Des Rapides
25	21 03N - 105 52E	Ha Noi RR A Hwy Br ov Red River

NOTE: The bridge with no BE number or name has been given the name of the nearest populated geographical location that is annotated on JOG (A) 1501 series maps.

Approved For Release 2003/05/28 : CIA-RDP78T05161A001300010014-0

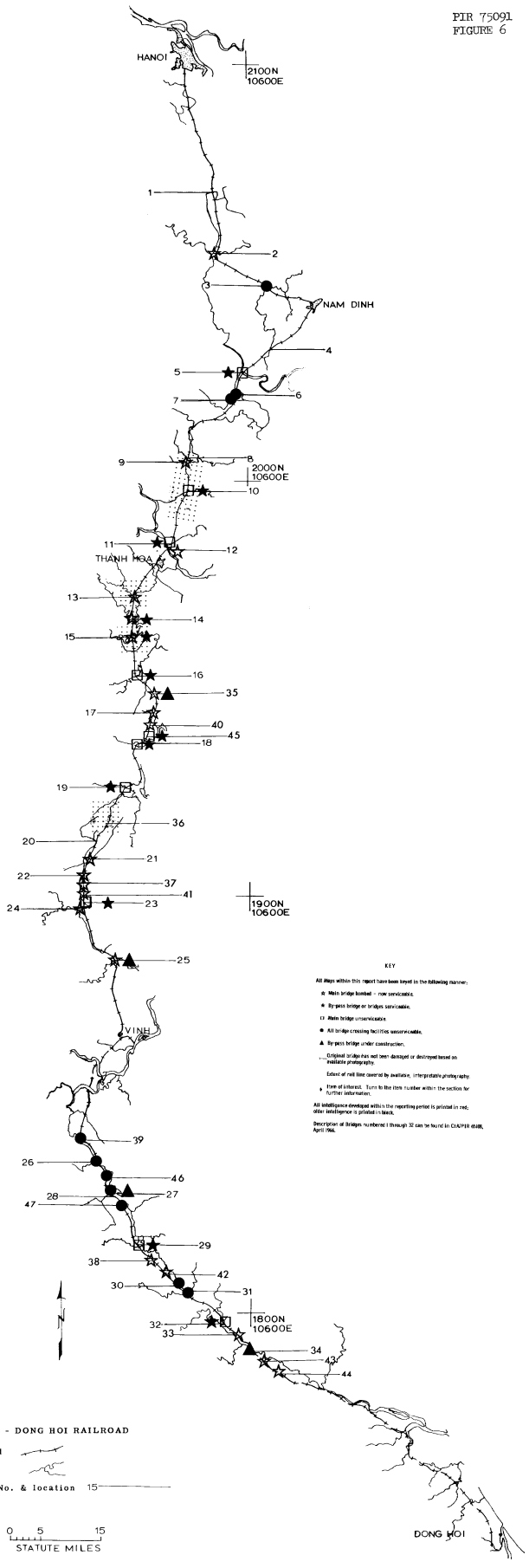
25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

PIR 75091
FIGURE 6



KEY

All Maps within this report have been keyed in the following manner:

- Main bridge bombed - now serviceable.
- By-pass bridge or bridges serviceable.
- Main bridge unserviceable.
- All bridge-crossing facilities unserviceable.
- By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- Extent of rail line covered by available, interpretable photography.
- Item of interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.

Description of Bridges numbered 1 through 32 can be found in CIAPIR 65188, April 1966.

-15-

SECRET

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

PIR 75091

DDI IMAGERY ANALYSIS STAFF

25X1

Bridge	Coordinates	Bridge Name
12	19 50N - 105 48E	Thanh Hoa RR A Hwy Br ov Song Ma
13	19 43N - 105 42E	Thien Linh Dong RR Br ov Hoang Giang
13	19 44N - 105 43E	Thien Linh Dong RR Br SW ov River
14	19 40N - 105 42E	Thinh Lac RR Br ov Strm
14	19 40N - 105 42E	Thinh Lac RR Br SSW ov Strm
15	19 37N - 105 42E	Trong Quang Tien RR Br ov Song Yen
15	19 37N - 105 42E	Trong Quang Tien RR Br E ov River
16	19 32N - 105 43E	Thi Long RR Br ov Suoi Cay Gang
16	19 31N - 105 42E	Thi Long RR Br SW ov Suoi Cay Gang
17	19 26N - 105 45E	Phu Quat RR Br ov Strm
18	19 22N - 105 43E	Dia Thuy RR Br SW ov Khe Dua
18	19 23N - 105 43E	Dia Thuy RR Br NW ov Khe Dua
19	19 16N - 105 41E	Qui Vinh RR Br No 1 ov Song Hoang Mai
19	19 15N - 105 41E	Qui Vinh RR Br No 2 ov Song Hoang Mai
19	19 15N - 105 41E	Qui Vinh RR Br No 3 ov Song Hoang Mai
19	19 15N - 105 41E	Qui Vinh RR Br No 4 ov Sont Hoang Mai

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

PIR 75091

DDI IMAGERY ANALYSIS STAFF

25X1

Bridge	Coordinates	Bridge Name
20	19 08N - 105 37E	My Hoa RR Br ov Strm
21	19 05N - 105 36E	Long Ngoc RR A Hwy Br ov Canal
22	19 02N - 105 35E	Dong Khe RR Br ov Strm
23	18 58N - 105 35E	Dien Chau RR Br ov Song Bang
23	18 58N - 105 35E	Dien Chau RR Br E ov Song Bang
24	18 58N - 105 35E	Da Phuc RR Br ov intermittent Wtwy
25	18 50N - 105 39E	Tam Da RR A Hwy Br ov Song Cua Lo
26	18 26 - 105 34E	Trai Hoi RR A Hwy Br ov Ngan Sou
27	18 17N - 105 38E	Xom Hoai RR A Hwy Br ov Rao No
28	18 22N - 105 37E	Hoi Dayet RR Bridge
29	18 09N - 105 43E	Dong Bai RR Br ov Song Tien
29	18 09N - 105 43E	Dong Bai RR Br N ov Song Tien
30	18 03N - 105 49E	La Khe Thon RR Br ov Ngan Sau
30	18 03N - 105 49E	Formerly La Khe Thon RR Br ov Ngan Sau
31	18 03N - 105 50E	Bai Duc Thon RR Br ov Khe Ba Giang
31	18 03N - 105 50E	Bai Duc Thon RR Br S ov Khe Ba Giang

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

25X1

Bridge	Coordinates	Bridge Name
32	17 58N - 105 56E	Xom Khe RR Br ov Khe Net
32	17 58N - 105 55E	Xom Khe RR By-pass Bridge
32	17 58N - 105 55E	Xom Khe RR By-pass Approach Bridge
33	17 57N - 105 58E	Kim Lu Xa RR Br ov Khe Danh
34	17 54N - 106 00E	Thuong Phong Trung RR Br ov Rao Nay
35	19 31N - 105 43E	Thi Long RR Br SE ov Strm
36	19 09N - 105 37E	Tho Trang RR Br ov Strm
37	19 04N - 105 35E	Dong Khe RR A Hwy Br S ov Canal
38	18 08N - 105 44E	Phuc Trach RR Br ov Khe Ac
39	18 27N - 105 34E	Quang Te RR Br ov Khe Hac Giang
40	19 25N - 105 45E	Qui My RR Br ov Strm
41	18 59N - 105 34E	Tu My RR Bridge
42	18 04N - 105 48E	Con De Xom RR Bridge
43	17 53N - 106 01E	Dong Ca Thon RR A Hwy Br ov Cai Khe
44	17 51N - 106 03E	Kieu Moc Phuong RR Br W ov Strm
45	19 23N - 105 44E	Phu Cu RR Br N Ov Strm

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

DDI IMAGERY ANALYSIS STAFF

PIR 75091

Bridge	Coordinates	Bridge Name
45	19 23N - 105 44E	Phu Cu RR By-pass Bridge
46	18 22N - 105 36E	Hoa Dayet RR Bridge ov Strm
47	18 15N - 105 40E	Yen Hoi Ha Br ov Hwy

25X1

NOTE: Those bridges with no BE numbers or names have been given the name of the nearest populated geographical location that is annotated on JOG (A) 1501 series maps.

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

NAME : Tho Trang RR. Bridge

25X1 BE : [redacted]

COORDINATES : 19 09N - 105 37E, WC649181

PHOTO REFERENCE : [redacted] 25X1

MAP REFERENCE : JOG (A) 3501, NE 48-3

The 2-span probable half-through truss Tho Trang Railroad Bridge has been repaired and is serviceable. There has been no interpretable photography of this bridge since early [redacted] 25X1

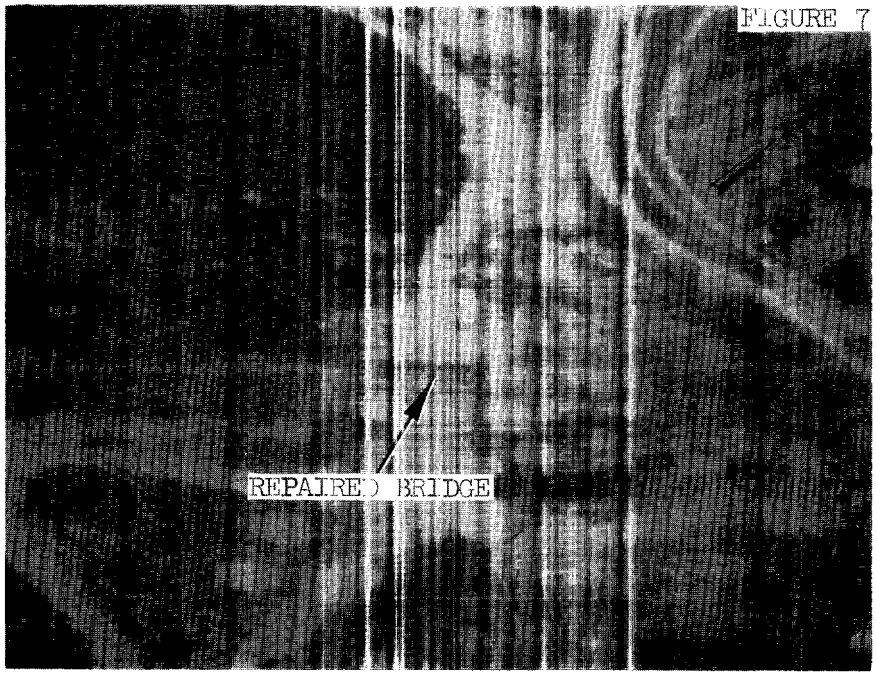


FIGURE 7

ITEM OF INTEREST NO. 2: Hanoi/Dong Hoi Rail Line

NAME : Rolling stock

BE : NA

COORDINATES : 19 57N - 105 50E, WH871063

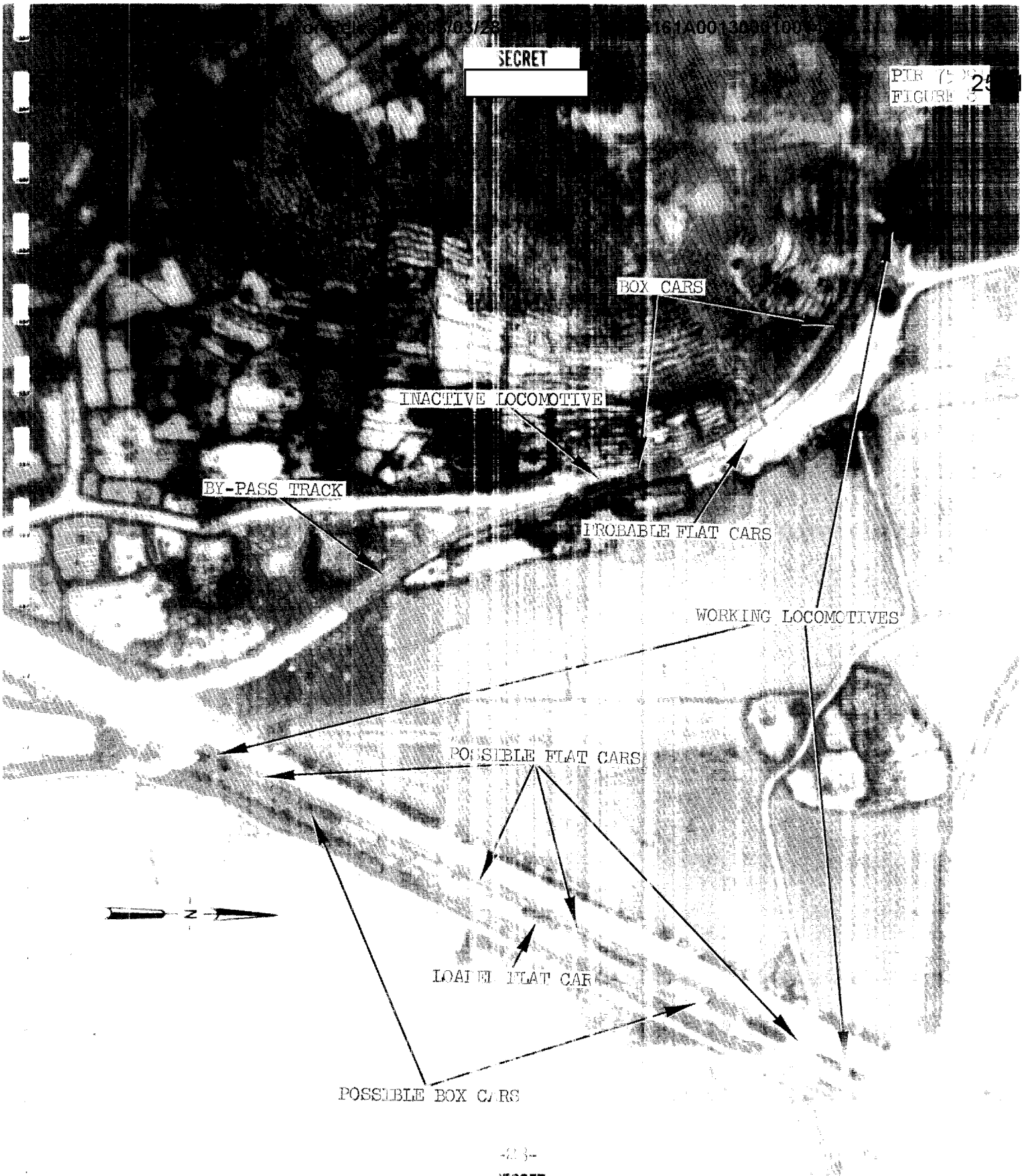
PHOTO REFERENCE : [redacted] 25X1

MAP REFERENCE : JOG (A) 1501, NE 48-3

Two trains were observed 1.6 nm S of the Dong Phong Thuong Railroad and Highway Bridge [redacted] at the junction of the southern by-pass route with the main line. 25X1

One motionless train is located on the by-pass route itself, and consists of 1 working locomotive and tender, a locomotive and tender which is deadheaded, 5 box cars, and 4 probable flat cars.

A second train is moving very slowly southward on the main line track. Two locomotives with tender working at opposite ends of the train, eleven possible box cars, 4 possible empty flat cars, and 1 probable loaded flat car comprise the rolling stock of this train.



25X1
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

[redacted] 25X1

DDI IMAGERY ANALYSIS STAFF PIR 75091

ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME : Dong Phong Thuong RR. Bridge S

25X1 BE : [redacted]

COORDINATES : 19 58N - 105 49E, WH862078

PHOTO REFERENCE : [redacted] 25X1

MAP REFERENCE : JOG (A) 3501, NE 48-3

The Dong Phong Thuong Railroad Bridge S has been repaired and is serviceable. There are now 2 serviceable bridges at this river crossing.

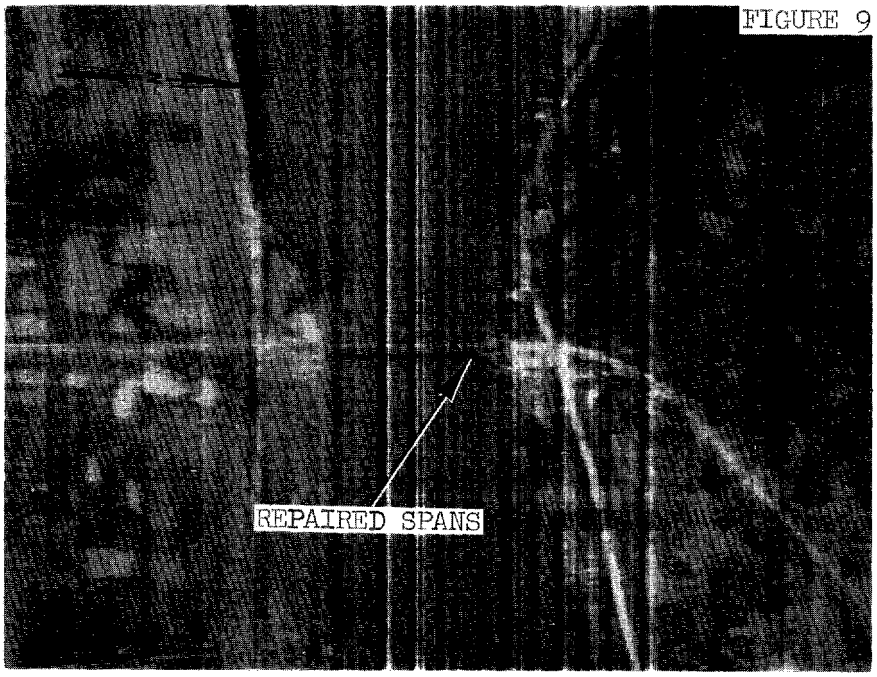


FIGURE 9

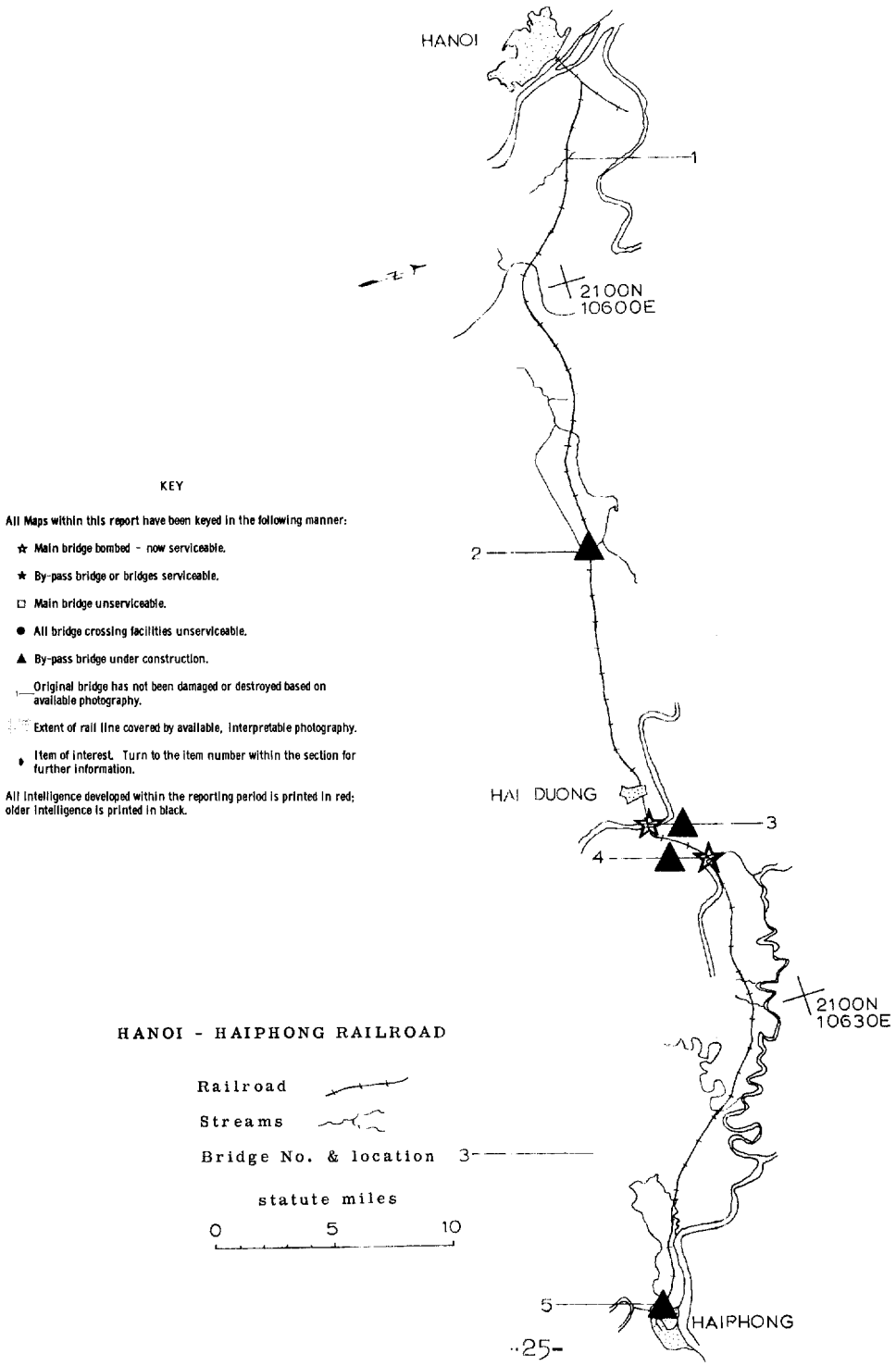
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

[redacted] 25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0
SECRET
25X1

PIR 75091
FIGURE 10


HANOI
1
2100N
10600E
2
HAI DUONG
3
4
2100N
10630E
5
HAIPHONG
KEY
All Maps within this report have been keyed in the following manner:
☆ Main bridge bombed - now serviceable.
★ By-pass bridge or bridges serviceable.
□ Main bridge unserviceable.
● All bridge crossing facilities unserviceable.
▲ By-pass bridge under construction.
Original bridge has not been damaged or destroyed based on available photography.
Extent of rail line covered by available, interpretable photography.
Item of interest. Turn to the item number within the section for further information.
All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.
HANOI - HAIPHONG RAILROAD
Railroad
Streams
Bridge No. & location 3
statute miles
0 5 10

SECRET
Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0
25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

PIR 75091

DDI IMAGERY ANALYSIS STAFF

HANOI/HAIPHONG RAIL LINE BRIDGE LISTING

Bridge No.	Coordinates	Bridge Name
1	21 02N - 105 56E	Ngo Thou RR Br ov Strm
2	20 58N - 106 10E	Ngac Kuyet RR A Hwy Br ov Strm
3	20 56N - 106 22E	Hai Duong RR A Hwy Br ov Thai Binh
4	20 58N - 106 24E	Hai Duong RR A Hwy Br ov Song Rong
5	20 51N - 106 40E	Hai Phong RR A Hwy Br ov Song Trom

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

PIR 75091
FIGURE 11

KEY

All Maps within this report have been keyed in the following manner:

☆ Main bridge bombed - now serviceable.

★ By-pass bridge or bridges serviceable.

□ Main bridge unserviceable.

● All bridge crossing facilities unserviceable.

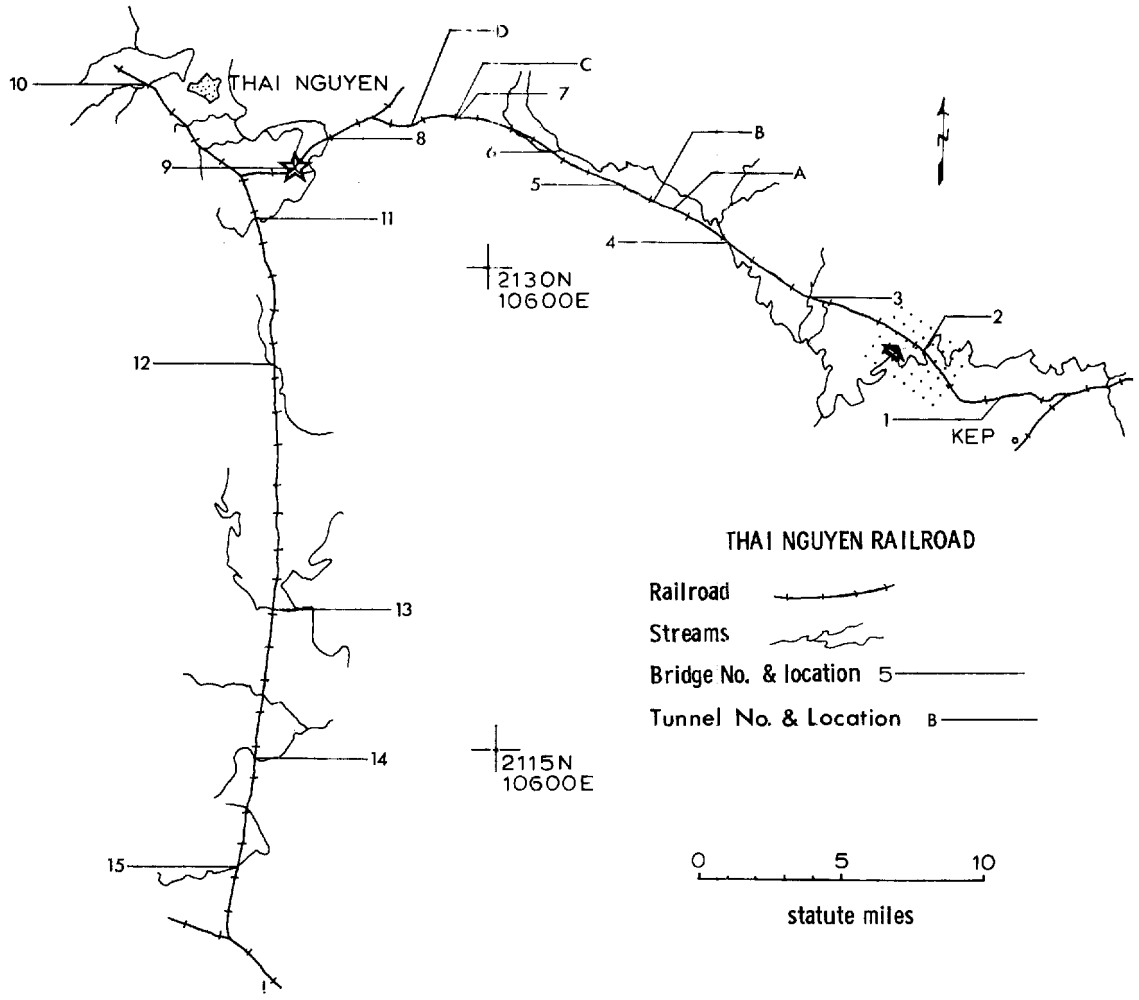
▲ By-pass bridge under construction.

Original bridge has not been damaged or destroyed based on available photography.

Extent of rail line covered by available, interpretable photography.

Item of interest. Turn to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red; older intelligence is printed in black.



SECRET

25X1

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

THAI NGUYEN RAIL LINE BRIDGE LISTING

Bridge No.	Coordinates	Bridge Name
1	21 25N - 106 16E	Vy Liet RR Br. ov Canal
2	21 27N - 106 14E	Dong Muc RR Br. ov Song Thuong
3	21 29N - 106 11E	Trai Nhi RR Bridge
4	21 31N - 106 08E	Dong Vuong RR Bridge
5	21 33N - 106 04E	Mo Trang RR Br W ov Strm
6	21 34N - 106 02E	Quinh Dong RR Bridge
7	21 34N - 106 01E	Cau Da RR Bridge
8	21 34N - 105 55E	Lang Lau RR Br E ov Song Cau Tributary
9	21 33N - 105 54E	Lang Lau RR Br ov Song Cau
10	21 36N - 105 49E	Thinh Dan RR Br ov Strm
11	21 31N - 105 53E	Thon Nieu RR Br ov Strm
12	21 27N - 105 53E	Van Duong RR Br ov Strm
13	21 20N - 105 53E	Ha Cia RR Br ov Song Cong
14	21 15N - 105 52E	Ninh Liet RR Br S 2 ov Strm
15	21 11N - 105 52E	Phu Lo RR Br ov Song Ca Lo

25X1

NOTE: Those bridges with no BE numbers have been given the name of the nearest populated geographical location that is annotated on JOG (A) 1501 series maps.

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

25X1

DDI IMAGERY ANALYSIS STAFF

PIR 75091

ITEM OF INTEREST NO. 1: Thai Nguyen Rail Line

NAME : Moving train

BE : NA

COORDINATES : 21 27N - 106 14E, XJ288720

PHOTO REFERENCE : [redacted] 25X1

MAP REFERENCE : JOG (A) 4501, NF 48-11

A train consisting of a probable locomotive and tender and approximately 27 probable freight cars is moving slowly at an indeterminate rate of speed westward on the standard gauge Kep - Thai Nguyen rail segment.

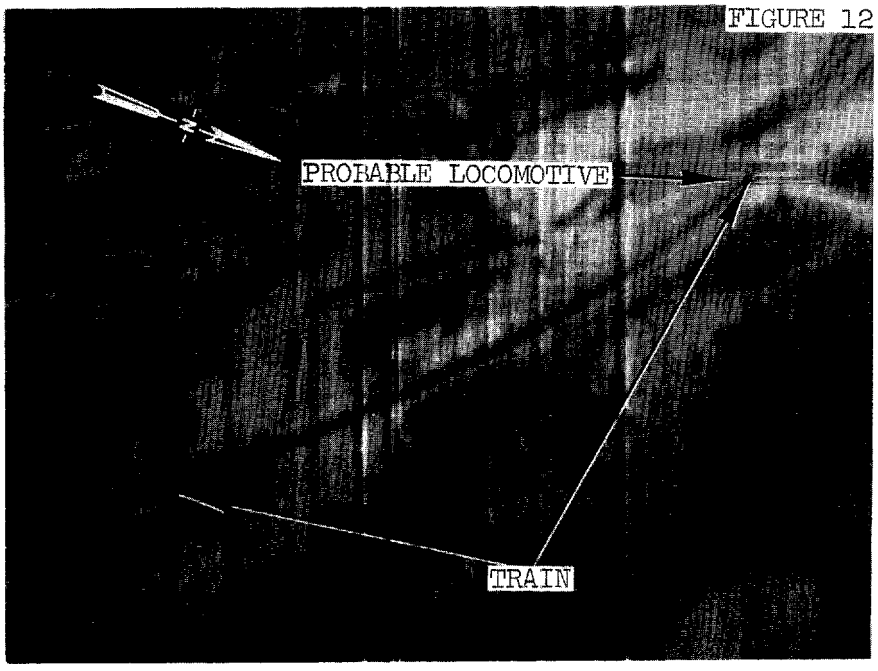


FIGURE 12

Approved For Release 2003/03/28 : CIA-RDP78T05161A001300010014-0

[redacted] 25X1

Approved For Release 2003/05/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1

Approved For Release 2003/05/28 : CIA-RDP78T05161A001300010014-0

SECRET

25X1